

**Listing of Claims**

1. (Original) A therapeutic composition for the treatment or prophylaxis of autoimmune conditions, wherein the composition comprises an enzyme and an immunogen, the enzyme and the immunogen being present in the composition at a dose which provides a beneficial effect to an individual in need of treatment.

2. (Original) The composition of claim 1, wherein the enzyme is selected from the group consisting of liver enzymes and mucopolysaccharidase.

3. (Original) The composition of claim 1, wherein the enzyme is a  $\beta$ -glucuronidase enzyme.

4. (Original) The composition of claim 3, wherein the  $\beta$ -glucuronidase enzyme is  $\beta$ -D-glucuronoside glucuronosohydrolase (Registry number EC 3.2.1.31).

5. (Original) The composition of claim 1, wherein the enzyme is present at a concentration of between 200 and 10,000 Fishman units/ml.

6. (Original) The composition of claim 1, wherein the enzyme is present at a concentration of between 0.5 and 2.5 mg/ml.

7. (Original) The composition of claim 1, wherein the composition further comprises a stabiliser and/or activator.

8. (Original) The composition of claim 7, wherein the stabiliser and/or activator is an inert proteinaceous moiety.

9. (Original) The composition of claim 7, wherein the stabiliser and/or activator is selected from the group consisting of protamine sulphate and 1,10 diamino decane.

10. (Original) The composition of claim 7, wherein the stabiliser and/or activator is present at a concentration of up to 20 mg/l.

11. (Original) A therapeutic composition for the treatment or prophylaxis of autoimmune conditions, the composition comprising, an enzyme, an immunogen, a stabiliser and/or activator, the enzyme and the immunogen being present in the composition at a dose which provides a beneficial effect to an individual in need of treatment, wherein the composition further comprises hydroxyl moieties.

12. (Original) The composition of claim 11, wherein the hydroxyl moieties are provided by sugars or diols.

13. (Original) The composition of claim 11, wherein the hydroxyl moieties are provided by 1,3 cyclohexane diol.

14. (Original) The composition of claim 11, wherein the hydroxyl moieties are present at a concentration of up to 20 µg/l.

15. (Previously presented) The composition of claim 1, wherein the composition is buffered to an acid or neutral pH.

16. (Original) The composition of claim 15, wherein the composition is buffered to a pH of between 5 and 6.

17. (Previously presented) The composition of claim 1, wherein the composition further comprises collagen.

18. (Original) The composition of claim 17, wherein the collagen is present at a concentration of between 10 and  $1 \times 10^{15}$  molecules/ml.

19. (Previously presented) The composition of claim 1, wherein the composition further comprises a glycosaminoglycan.

20. (Original) The composition according to claim 19, wherein the glycosaminoglycan is selected from the group consisting of hyaluronate (D glucuronic acid N acetyl D glucosamine), chondroitin sulphate (D glucuronic acid N acetyl D galactosamine 4 or 6 sulphate), dermatan sulphate (D glucuronic acid or L iduronic acid N acetyl D galactosamine), keratan sulphate (D galactose N acetyl D glucosamine sulphate), and heparan sulphate (D glucuronic acid or L iduronic acid N acetyl D glucosamine).

21. (Original) The composition of claim 19, wherein the glycosaminoglycan is chondroitin -6- sulphate.

22. (Original) The composition of claim 19, wherein the glycosaminoglycan is present at a concentration of between 0.1 and 1.0 mg/ml.

23. (Previously presented) The composition of claim 1, wherein the composition is in a formulation suitable for transdermal infusion or intradermal injection.

24. (Previously presented) A kit for preparing the composition of claim 1, wherein the kit comprises an enzyme solution and an immunogen solution, and the two solutions are introduced to one another and allowed to admix prior to administration to an individual in need of treatment.

25. (Withdrawn) A method of treating or preventing autoimmune conditions, the method comprising the administration of a therapeutically effective amount of a composition comprising an enzyme and an immunogen to an individual in need of treatment.

26. (Withdrawn) A method of treating, alleviating or preventing rheumatoid arthritis, the method comprising the administration of a therapeutically effective amount of a composition comprising  $\beta$ -glucuronidase and collagen to an individual in need of treatment.

27. (Withdrawn) The use of a therapeutically effective amount of an enzyme and an immunogen in the preparation of a medicament for the treatment or prevention of autoimmune conditions.

28. (Withdrawn) The use of a  $\beta$ -glucuronidase and collagen in the preparation of a medicament for the treatment of rheumatoid arthritis.

29. (Original) A composition comprising 1,000 to 5,000 Fishman units/ml  $\beta$ -glucuronidase, 6  $\mu\text{g/ml}$  protamine sulphate, 1  $\mu\text{g/ml}$  1,3 cyclohexane diol, and 0.5 mg/ml chondroitin sulphate, buffered to pH 5.9 and a concentration of collagen selected from the group consisting of  $2.5 \times 10^{12}$ ,  $2.5 \times 10^{10}$  and  $2.5 \times 10^4$  molecules/ml for use in the treatment of rheumatoid arthritis.

30. (New) A method of using the composition of claim 1, for the treatment of arthritis.